

Application No. 09/853,197
Amendment dated January 6, 2006
Reply to Office Action of September 9, 2005

Docket No. 1232-4714

Amendments to the Claims:

Claims 1-17 are pending in this application. Claims 1, 8, 15 and 17 are independent.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 (CURRENTLY AMENDED): An image sensing apparatus, comprising:

an image sensor that outputs an image signal of a subject;

an image display device that displays an image based on said image signal obtained by said image sensor;

a display designating unit that determines whether or not said image is displayed by said image display device;

a focus evaluating value obtaining device that obtains a focus evaluating value for adjusting a focus based on said image signal obtained by said image sensor; and

a control unit that controls a change of reading manners of said image signal from said image sensor for obtaining the focus evaluating value according to the determination of said display designating unit as to whether or not said image is displayed by said image display device.

2 (PREVIOUSLY PRESENTED): The image sensing apparatus according to claim 1, wherein said reading manners include to read said image signal from a portion of said image sensor, and the portion includes a focusing signed detecting area.

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3 (PREVIOUSLY PRESENTED): The image sensing apparatus according to claim 1, wherein said reading manners includes to read said image signal from a display region of said image sensor when said display designating unit determines that said image signal is displayed by said image display device while said image sensing apparatus photographs said image signal.

4 (PREVIOUSLY PRESENTED): The image sensing apparatus according to claim 1, wherein said focus evaluating value is obtained based on a high frequency component of said image signal obtained by said image sensor.

5 (PREVIOUSLY PRESENTED): The image sensing apparatus according to claim 1, further comprising:

a display prohibiting device that prohibits display of said image by said image display device at least until photographing processing is completed if said display designating unit determines that said image is displayed by said image display device while said image sensing apparatus photographs said sensed image signal.

6 (ORIGINAL): The image sensing apparatus according to claim 1, further comprising:

a focus adjusting device that adjusts a focus based on said focus evaluating value obtained by said focus evaluating value obtaining device.

7 (PREVIOUSLY PRESENTED): The image sensing apparatus according to claim 1, wherein determination by said display designating unit is stored in a memory as an image display flag.

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8 (CURRENTLY AMENDED): A control method of an image sensing apparatus,
comprising:

an image sensing step by an image sensor that outputs an image signal of a
subject;

an image displaying step by an image display device that displays an image based
on said image signal obtained by said image sensor;

a display designating step by a display designating unit that determines whether or
not said image is displayed by said image displaying step;

a focus evaluating value obtaining step by a focus evaluating value obtaining
device that obtains a focus evaluating value for adjusting a focus based on said image signal
obtained by said image sensing step; and

a control step by a control unit that controls a change of reading manners of said
image signal from said image sensor for obtaining the focus evaluating value according to the
determination of said display designating unit as to whether or not said image is displayed by
said image display device.

9 (PREVIOUSLY PRESENTED): The control method of an image sensing apparatus
according to claim 8, wherein said reading manners include to read said image signal from a
portion of said image sensor, and the portion includes a focusing signed detecting area.

10 (PREVIOUSLY PRESENTED): The control method of an image sensing apparatus
according to claim 8, wherein said reading manners includes to read said image signal from a

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display region of said image sensor when said display designating unit determines that said image signal is displayed by said image display device while said image sensing apparatus photographs said image signal.

11 (PREVIOUSLY PRESENTED): The control method of an image sensing apparatus according to claim 8, wherein said focus evaluating value is obtained based on a high frequency component of said image signal obtained by said image sensing step.

12 (PREVIOUSLY PRESENTED): The control method of an image sensing apparatus according to claim 8, further comprising:

a display prohibiting step that prohibits display of said image by said image displaying step at least until photographing processing is completed if said display designating step determines that said image is displayed by said image displaying step while said image sensing apparatus photographs said sensed image signal.

13 (ORIGINAL): The control method of an image sensing apparatus according to claim 8, further comprising:

a focus adjusting step that adjusts a focus based on said focus evaluating value obtained by said focus evaluating value obtaining step.

14 (PREVIOUSLY PRESENTED): The control method of an image sensing apparatus according to claim 8, wherein determination by said display designating step is stored in a memory as an image display flag.

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15 (CURRENTLY AMENDED): A storage medium in which a control program for controlling an image sensing apparatus is stored, wherein said control program comprising codes that, when executed, causes a computer to carry out the steps of:

a code of an image sensing step by an image sensor that obtains an image signal by sensing an image of a subject;

a code of an image displaying step by an image display device that displays an image signal based on said image signal obtained by said image sensor;

a code of a display designating step by a display designating unit that determines whether or not said image is displayed by said image displaying step;

a code of a focus evaluating value obtaining step by a focus evaluating value obtaining device that obtains a focus evaluating value for adjusting a focus based on said image signal obtained by said image sensing step; and

a code of a control step by a control unit that controls a change of reading manners of said image signal from said image sensor for obtaining the focus evaluating value according to the determination of said display designating unit as to whether or not said image is displayed by said image display device.

16 (PREVIOUSLY PRESENTED): The storage medium according to claim 15, wherein said reading manners include to read said image signal from an entire region of said image sensor when said display designating unit determines that said image signal is displayed by said image display device while said image sensing apparatus photographs said image signal.

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17 (PREVIOUSLY PRESENTED): An image sensing apparatus, comprising:

- an image sensor;
- a display configured to display image based on said image signal obtained by said image sensor;
- a designation unit configured to determine whether or not said image is displayed by said display;
- a calculation unit configured to calculate a focus evaluating value for focus adjustment based on said image signal; and
- a control unit configured to control a change of reading manners of said image signal from said image sensor for obtaining the focus evaluating value according to the determination of said display designating unit as to whether or not the image is displayed by said display.